Anti-GTP-binding protein OBGC, chloroplastic, C-terminal antibody

Catalog: PHY0927S

Product Information

Description: Rabbit polyclonal antibody

Background: ATOBGC is a chloroplast protein which is close to the Obg nucleotide binding protein subfamily and displays GTPase activity. ATOBGC is required for the normal organization of mature thylakoid stacks, and ultimately for embryo development. And it is involved in thylakoid membrane biogenesis and functions primarily in plastid ribosome biogenesis during chloroplast development.

Synonyms: CPSAR1, ATOBGC, ATOBGL, CHLOROPLASTIC SAR1, EMB269, EMB3138, EMBRYO DEFECTIVE 269, EMBRYO DEFECTIVE 3138, OBG A-2, OBG-LIKE PROTEIN.

Immunogen: KLH-conjugated synthetic peptide (14 aa from C terminal section) derived from *Arabidopsis thaliana* CPSAR1 (AT5G18570).

Form: Lyophilized

Quantity: 150 µg

Purification: Serum

Peptide affinity form antibody available upon request at info@phytoab.com.

Reconstitution: Reconstitution with 150 µl of sterile water.

"Note: please spin tube briefly prior to opening it to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tube".

Stability & Storage: Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

12 months from date of receipt, -20 to -70℃ as supplied.

6 months, -20 to -70℃ under sterile conditions after reconstitution.

1 month, 2 to 8℃ under sterile conditions after reconstitution.

Shipping: The product is shipped at 4℃. Upon receipt, store it immediately at the temperature recommended above.

Application Information

Recommended Dilution: Western Blot (1:1000-1:2000)

Note: Optimal dilutions/concentrations should be determined by the

end user.

Expected / apparent MW: 76 kDa

Predicted Reactivity: Among species analyzed, the sequence of the synthetic peptide used for immunization is 100% homologues with the sequence in *Brassica napus*, *Brassica rapa*.

For more species homologues information, please contact tech support at tech@phytoab.com.